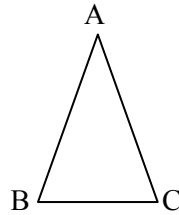


Problem:

Angle A of triangle ABC has a measure of 42° . Triangle DEF is similar to triangle ABC with the sides of triangle DEF being twice the length of those of triangle ABC. Angle A and angle D are corresponding angles.

What is the measure of angle D?



Answer:

The measure of angle D is 42° since corresponding angles of similar polygons have equal angle measures.